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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application

Michael GIESING et al.

Application Number: 10/525,019

Filed: February 18, 2005

Examiner:

Group Art Unit:

Confirmation No.: 4832

Attorney Docket No.: GIES3002

**For: METHOD FOR ANALYZING BODY FLUIDS FOR THE PRESENCE OF
CANCER CELLS, USE THEREOF, CORRESPONDING ANALYSIS KITS, AND
USE OF SPECIFIC ACTIVE SUBSTANCES FOR TREATING CANCER**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to Rule 37 C.F.R. §1.51(b), §1.56, §1.97, and §1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each U.S. and foreign patent, or each publication or portion thereof listed or herein identified is submitted herewith.

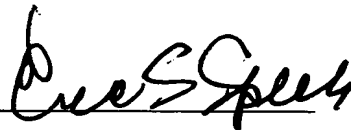
STATEMENT OF TIMELINESS

This Information Disclosure Statement is submitted prior to the mailing date of the first Office Action on the merits received by Applicant in the above-identified application.

Serial Number: 10/525,019
Attorney Docket: GIES3002

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,
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By: 

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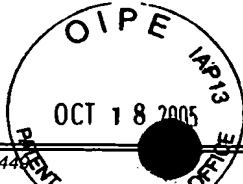
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Date: October 18, 2005



B/O Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Atty. Docket Number	Serial Number
	GIES3002	10/525,019
	Applicant Michael GIESING et al.	
	Filing Date February 18, 2005	Group

U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate
	5,246,847	09/21/1993	Jacob R. Hartman et al.	435	189	02/27/1992
	5,260,204	11/09/1993	Konrad Heckl et al.	435	189	09/15/1992
	5,985,633	11/16/1999	Harry S. Nick et al.	435	189	09/10/1997
	2003/0157581	08/21/2003	Hans-Horg Grill et al.	435	8	

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
	2,301,962	03/04/1999	Canada				X
	2,338,751	02/10/2000	Canada			X	
	100 54 632 A1	05/29/2002	Germany				X
	WO 96/29430	09/26/1996	PCT			X	
	WO 02/18634 A2	03/07/2002	PCT			X	

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

	SARTO, C., et al., "Modified Expression of Plasma Glutathione Peroxidase and Manganese Superoxide Dismutase in Human Renal Cell Carcinoma", Electrophoresis 1999, 20, 3458-3466
	BOER, J.M., et al., "Identification and Classification of Differentially Expressed Genes in Renal Cell Carcinoma by Expression Profiling on a Global Human 31,500-Element cDNA Array", Genome Research, www.genome.org, 11:1861-1870, 2001
	MORK, H., et al., "Inverse mRNA Expression of the Selenocysteine-Containing Proteins GI-GPx and SeP Colorectal Adenomas Compared With Adjacent Normal Mucosa", Nutrition and Cancer, 37(1), 108-116, 2000
	SARTO, C., et al., "Renal Cell Carcinoma and Normal Kidney Protein Expression", Electrophoresis 1997, 18, 599-604
	GLADYSHEV, V.N., et al., "Contrasting Patterns of Regulation of the Antioxidant Selenoproteins, Thioredoxin Reductase, and Glutathione Peroxidase, in Cancer Cells", Biochemical and Biophysical Research Communications, 251, 488-493 (1998) Article No. RC989495
	BRAVARD, A., et al., "Modifications of the Antioxidant Enzymes in Relation to Chromosome Imbalances in Human Melanoma Cell Lines", Melanoma Research 1998, 8, pp. 329-335
	PESKIN, A. V., et al., "Superoxide Dismutase and Glutathione Peroxidase Activities in Tumors", FEBS LETTERS, Vol. 78, No. 1, June 1977, 41-45
	KAHLOS, K., et al., "Manganese Superoxide Dismutase in Healthy Human Pleural Mesothelium and in Malignant Pleural Mesothelioma", Am. J. Respir. Cell Mol. Biol., Vol. 18, pp. 570-580, 1998
	DVORAKOVA, K., "Molecular and Cellular Characterization of Imexon-Resistant RPMI8226/Myeloma Cells", Molecular Cancer Therapeutics, Vol. 1, p. 185-195, January 2002

Examiner

Date Considered

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



B/O Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office Information Disclosure Statement by Applicant	Atty. Docket Number	Serial Number
	GIES3002	10/525,019
	Applicant	
	Michael GIESING et al.	
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	February 18, 2005	

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

	ASIKAINEN, T.M., et al., "Expression and Developmental Profile of Antioxidant Enzymes in Human Lung and Liver", A. J. Respir. Cell Mol. Biol., Vol. 19, pp. 942-949, 1998
	LI, Z., et al., "Genes Regulated in Human Breast Cancer Cells Overexpressing Manganese-Containing Superoxide Dismutase", Free Radical Biology & Medicine, Vol. 30, No. 3, pp. 260-267, 2001
	MERCATANTE, K.R., et al., "Control of Alternative Splicing by Antisense Oligonucleotides as a Potential Chemotherapy: Effects on Gene Expression", Biochem & Biophys Acta, 2002, July 18, 1587 (2-3): 126- 132
	JANSSEN, AML, et al., "Superoxide Dismutases in Relation to the Overall Survival of Colorectal Cancer Patients", British Journal of Cancer (1998) 78(8), 1051-1057
	JANSEEN, AML, et al., "Superoxide Dismutases in Gastric and Esophageal Cancer and the Prognostic Impact in Gastric Cancer", Clinical Cancer Research, Vol. 6, 3183-3192, August 2000
	RIA, F., et al., "The Level of Manganese Superoxide Dismutase Content is an Independent Prognostic Factor for Glioblastoma Biological Mechanisms and Clinical Implications", British Journal of Cancer (2001) 84(4), 529-534
	GIESING, M., et al., "Independent Prognostication and Therapy Monitoring of Breast Cancer Patients by DNA/RNA typing of Minimal Residual Cancer Cells", The International Journal of Biological Markers, Vol. 15, No. 1, pp. 94-99
	BARRA, D., et al., "The Primary Structure of Human Liver Manganese Superoxide Dismutase", The Journal of Biological Chemistry, Vol. 259, No. 20, Issue of Oct. 25, 12595-12601, 1984
	"GeneChip® Human Genome U133 Set, Comprehensive Coverage of All Well-Substantiated Genes in the Human Genome", Gene Expression Monitoring, Affymetrix, printed 1-21-2002, pages 1-2
	STOEHLMACHER, J., et al, "The -9 Ala/-9Val polymorphism in the mitochondrial targeting sequence of the manganese superoxide dismutase gene (MnSOD) is associated with age among Hispanics with colorectal carcinoma", Oncol. Rep., 2002 Mar-Apr, 9(2):235-8 (Abstract)
	FORSBERG, L., et al., "Low yield of polymorphisms from EST blast searching: analysis of genes related to oxidative stress and verification of the P197L polymorphism in GPX1", Hum. Mutat. 1999, 13(4):294-300 (Abstract)
	LI, S., et al., "The Role of Cellular Glutathione Peroxidase Redox Regulation in the Suppression of Tumor Cell Growth by Manganese Superoxide Dismutase", Cancer Research 60, 3927-3939, July 15, 2000 (Abstract)
	SODERBERG, A., et al., "Thioredoxin Reductase, a Redox-active Selenoprotein, Is Secreted by Normal and Neoplastic Cells: Presence in Human Plasma", Cancer Research 60, 2281-2289, April 15, 2000 (Abstract)
	BECKER, K., et al. "Thioredoxin reductase as a pathophysiological factor and drug target", Eur. J. Biochem. 267, 6118-6125 (2000) (Abstract)
	SOINI, Y., et al., "MnSOD expression is less frequent in tumour cells of invasive breast carcinomas than in in situ carcinomas or non-neoplastic breast epithelial cells", J. Pathol. 2001 Sept, 195(2):156-62 (Abstract)

Examiner	Date Considered
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